IN THE CLAIMS

The following listing of claims will replace all prior versions and listing of claims in this application.

LISTING OF CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Cancelled)

10. (Currently Amended) A system for providing a co-location service equipped with a global load balancing (GLB) function among dispersed IDCs (Internet Data Centers), wherein the co-location service is a network operation service for collectively operating a plurality of private IP networks built in each dispersed IDC as one integrated network by connecting the private IP networks, comprising:

a plurality of switching hubs, connected to each giga port of the IDCs, for changing public IP address into private IP address by constructing a network ~~to~~ having public IP address area and private IP address area;

a plurality of giga lines for connecting the plurality of switching hubs ~~by~~ using a gigabit Ethernet (GBE) module mounted in each of the plurality of switching hub to thereby integrate the private IP networks into the integrated network;

a <u>layer 4 (L4)</u> switch, connected to the <u>plurality of</u> switching hub, for performing

the server load balancing;

a customer server connected to the L4 switch by means of the private IP

networks; and

a GLB server, connected to a switching hub, for finding a shortest path for a client

computer to connect to a server residing in an IDC.

11.   (Currently Amended) A system for providing a co-location service as claimed in

claim ~~1~~ 10, wherein:

(a) a user authentication server performs a packet filtering if the client computer

connect with the private IP networks upon connecting to the internet by using a URL on a web

browser;

(b) the client computer connected to the IDC connects with the L4 switch if the

client computer is authorized, and GLB server connected to a first switching hub performs the

global load balancing, the first switching hub being one of the switching hubs that the client

computer first connect with;

(c) the user authentication server performs a user authentication and the L4 switch

performs a secondary packet filtering and the server load balancing for service port if the client

computer is authorized; and

(d) the switching hub assigns private IP addresses, the private IP address being

different in accordance with service types, to thereby enable the client computer to use the co-

location service.